

66543

SOV/144-59-4-11/13

Determination of the Position of the Median Surface in the Gaps of
Betatron and Synchrotron Electromagnets

not very high. In the method described in the present paper a permalloy probe is employed. The permalloy probe is in the form of a strip having a cross-section of 0.2×0.92 mm. It is annealed in vacuum and placed in a quartz tube. The quartz tube carries a 1 000-turn coil made of wire 0.03 mm in diameter. The whole assembly is then placed in a solenoid. The solenoid consists of 1 900 turns of 0.016 mm diameter wire. The solenoid is supplied by short current pulses in the form of a 6-period 20 kc sinusoid. In this way the permalloy strip experiences in the longitudinal direction two pulsed magnetic fields: one of them is a slowly varying field of the electromagnet B_r and the other the rapidly varying field due to the solenoid. If $B_r = 0$, then the probe coil (i.e. the coil wound on the quartz tube) picks up a signal due to the current pulse through the solenoid, when the magnetic flux due to the solenoid passes through zero (this takes

Card 2/3

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66543

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place with a shift δB due to hysteresis). In the presence of the radial component B_r the pulse in the probe coil is displaced towards the maximum of the magnetic flux and when B_r is sufficiently large, the pulse disappears completely. The probe carries an additional coil consisting of 3 000 turns of 0.07 mm dia wire. This coil is used to compensate the field B_r . The instant of full compensation is recorded on an oscilloscope screen. The probe signal is amplified and differentiated before it is applied to the Y-amplifier of the oscilloscope. There are 4 figures and 4 references, of which 2 are Soviet and 2 English.

ASSOCIATION: Tomskiy politekhnicheskiy institut (Tomsk Polytechnical Institute)

Card 3/3

4

KUZ'MIN, V.N.; KAMASHEV, Yu.M.

Using Hall e.m.f. transducers for measuring the dynamics of magnetic fields of dispersion in pulsed accelerators. Izv. vys. ucheb. zav.; fiz. no.4:158-162 '59. (MIRA 13:3)

1.Tomskiy politekhnicheskiy institut imeni S.M. Kirova.
(Particle accelerators) (Magnetic fields)

69451

S/139/60/000/01/025/0⁴¹
E032/E⁴¹⁴

21.2100

AUTHORS: Yeponeshnikov, V.N., Kirillov, V.P., Kuz'min, V.N.
and Petrov, Yu.K.

TITLE: The Dynamics of the Effective Angle of a Sector in
Accelerators with Straight Line Sections

PERIODICAL: Izvestiya vysshikh uchebnykh zavedeniy, Fizika,
1960, Nr 1, pp 139-144 (USSR)

ABSTRACT: The design orbit in accelerators with straight line sections is usually in the form of a closed curve consisting of four straight line sections connected by four circular arcs of radius r_0 and subtending an angle of 90° at the centre. One of the necessary conditions for the actual orbit to coincide with the design orbit is that the magnetic field should be zero over the straight line sections and uniform over the other sections. However, owing to leakage, the true magnetic field always differs from the design field so that it is always necessary to introduce the concept of the effective angle of a sector and this is defined by ✓

Card 1/3

69451

S/139/60/000/01/025/041
E032/E414

The Dynamics of the Effective Angle of a Sector in Accelerators
with Straight Line Sections

Eq (1). The actual distribution of the field is normally of the form indicated by Fig 1. The effective angles of sectors will decrease at low fields owing to eddy currents and residual induction. They will also decrease at high fields owing to saturation effects. This will lead to the appearance of a well-defined fourth harmonic of the distortion of the design orbit, and to a reduction in the maximum energy of the accelerated particles. In the case of inductive acceleration, the betatron ratio is also affected. All these effects have been investigated by the present authors using a plane model. The effects have been found to be small towards the end of the acceleration cycle. They have the biggest effect at the beginning of the cycle. In the latter case the amplitude of the fourth harmonic of the design orbit becomes comparable with the radial dimension of the working region and the change in the betatron ratio may be of the order of a few

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E032/E414

The Dynamics of the Effective Angle of a Sector in Accelerators
with Straight Line Sections

tenths of a percent. The reduction in the sector angle may be compensated at the beginning of the acceleration cycle by increasing the injection energy. The field at sector edges may be corrected by d.c. current methods. There are 5 figures and 2 references, 1 of which is Soviet and 1 English.

ASSOCIATION: NII pri Tomskom politekhnicheskem institute
imени S.M.Kirova (Scientific Research Institute of the
Tomsk Polytechnical Institute имени S.M.Kirov)

SUBMITTED: April 3, 1959

Card 3/3

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KUZ'MIN, V.N.

Method for studying elastic scattering at high energies. Zhur.
eksp.i teor.fiz. 41 no.4:1046-1047 O '61. (MIRA 14:10)

1. Radiyevyy institut AN SSSR.
(Protons--Scattering)

24.673.0
S/120/62/000/001/044/061
E192/E382

AUTHORS: Kuz'min, V.N. and Petrov, Yu.K.
TITLE: Equipment for measuring the meridian plane of the
magnetic field in an accelerator
PERIODICAL: Pribory i tekhnika eksperimenta, no. 1, 1962, 177
TEXT: Measurement of the meridian plane is based on the
method of a permalloy probe (Ref. 1 - J.M. Kelly - Rev. Scient.
Instrum., 1951, 22, 256; Ref. 2 - G. Diambrini-Palazzi -
Nuovo cimento, 1956, 3, 356), where the signal due to the
transition of the probe through the zero value of the magnetic
field is detected by an electronic circuit (Ref. 3 - K.N. Shorin,
Yu.N. Metal'nikov, G.M. Bozin and L.V. Yeremin - PTs, 1958, no. 4,
25). The probe is situated in the aperture of the tube of the
equipment in such a way that the axis of the tube coincides with the
axis of rotation of the tube. The tube can be rotated
by 180° around its axis and can be fixed in two opposite positions.
The axis of rotation of the tube is made horizontal and the tube
can be displaced vertically within the air gap of the electro-
magnet. The vertical position of the tube, i.e. the coordinate
Card 1/3

Equipment for measuring

S/120/62/000/001/044/061
E192/E382

of its meridian plane, is determined by hydrostatic levelling with an accuracy of 0.03 cm. The instrument can be carried from one measuring position to another, together with its tripod. Any measurement carried out by the instrument is a result of averaging the readings taken in two opposite positions of the tube, so that the error due to the presence of the vertical projection of the angle between the axis of the permalloy core and the axis of rotation of the tube is eliminated. The instrument can be used when assembling the electromagnet of an accelerator and in this case it is necessary to produce a constant field in the gap of the electromagnet. The instrument was used to measure the meridian plane in a field having a strength of 200 Oe and the curvature of the field lines of 1.2×10^{-3} /cm. The measurements were carried out while changing the direction of the measured field and four readings were taken at each point.

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Card 2/3

Equipment for measuring

S/120/62/000/001/044/061
E192/E582

The error of the measurements was \pm 0.5 mm.
There is 1 figure.

ASSOCIATION: Nauchno-issledovatel'skiy institut yadernoy
fiziki, elektroniki i avtomatiki pri Tomskom
politekhnicheskem institute.
(Scientific Research Institute of Nuclear
Physics, Electronics and Automatics of Tomsk
Polytechnical Institute)

SUBMITTED: May 8, 1961

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Card 3/3

246730,

S/139/62/000/004/002/018
E032/E514

AUTHORS: Petrov, Yu.K., Petkov, A.V. and Kuz'min, V.N.
TITLE: Correction of the radial topography of the magnetic field in cyclic accelerators
PERIODICAL: Izvestiya vysshikh uchebnykh zavedeniy, Fizika, no.4, 1962, 21-27

TEXT: The aim of this work was to investigate whether it would be possible to correct the radial variation in the magnetic field by placing current-carrying conductors directly on the pole faces. Detailed experimental studies have shown that if the distance between the turns of the pole-face coils is made variable and the current through the coils is made to increase linearly at given radial distances, then it is possible (a) to increase the intensity of the focusing magnetic field by about 20% (typically from 9-10 kOe to 12-13 kOe) and (b) to correct the nonlinear saturation effects. In the particular case investigated it was desired to produce a design field of the form

$$B_i(x) = B_i(0) \left[\frac{r_o}{r_o + x} \right]^n \quad (1)$$

Card 1/2

Correction of the radial ...

S/139/62/000/004/002/018
E032/E514

with $0.57 < n < 0.59$ over a radial distance comparable with the pole gap. The experimental data were obtained at the Nauchno-issledovatel'skiy institut yadernoy fiziki, elektroniki i avtomatiki pri Tomskiy politekhnicheskiy institut (Scientific Research Institute for Nuclear Physics, Electronics and Automation of the Tomsk Polytechnic Institute). The experimental data now given may be used as a basis for computing the correction fields for cyclic accelerators. Since the effective magnetic field is increased, there is an associated increase in the limiting energy of the accelerated particles and hence there is an appreciable economic advantage in using this method. There are 10 figures.

ASSOCIATION:NII pri Tomskom politekhnicheskem institute imeni S. M. Kirova (Scientific Research Institute of the Tomsk Polytechnic Institute imeni S. M. Kirov)

SUBMITTED: January 11, 1961

Card 2/2

ACCESSION NR: AR4022442

S/0058/64/000/001/A038/A039

SOURCE: RZh. Fizika, Abs. 1A351

AUTHORS: Kuz'min, V. N.; Petrov, Yu. K.

TITLE: Instrument for measuring the median magnetic-field surface
in an accelerator

CITED SOURCE: Izv. Tomskogo politekhn. in-ta, v. 122, 1962, 89-93

TOPIC TAGS: accelerator, magnetic surface, median magnetic surface,
central magnetic surface, permalloy pickup, magnetic probe measure-
ment

TRANSLATION: An instrument developed at the Tomsk Polytechnic In-
stitute for the measurement of the position of the central magnetic
plane in an accelerator is described. The measurement accuracy is
 ± 0.3 mm. A permalloy pickup and electronic apparatus for the regis-

1/2

Card

ACCESSION NR: AR4022442

tration of the zero of the radial component of the magnetic field by a method described earlier (RZhFiz, 1959, No. 6, 13142) are employed in the instrument. The construction of the mechanism for moving the pickup in the magnet gap and of the liquid-level height indicator used for the measurement of the vertical position of the pickup are described. V. Kanunnikov.

DATE ACQ: 03Mar64

SUB CODE: PH, SD

ENCL: 00

2/2

Card

S/143/63/000/002/001/003
A004/A127

AUTHORS: Yemel'yanov, V.A., Kuz'min, V.N., Engineers, Klyuchnikov, A.D.,
Lecturer, Candidate of Technical Sciences

TITLE: Analyzing the heat-treatment conditions of pulverized material
in cyclone melting furnaces

PERIODICAL: Izvestiya vysshikh uchebnykh zavedeniy, Energetika, no. 2,
1965, 71 - 76

TEXT: The authors present a detailed analysis of the melting process
in cyclone furnaces, which, hitherto, have been very little investigated.
They give the results of the first stage of calculation investigations of
the movements of particles of various materials in cyclone furnaces depend-
ing on a number of determining factors, as well as a qualitative analysis
of the heat-treatment of the pulverized material. The calculations were
carried out on a MN-7 (MN-7) computer of the Computing Center of the Mos-
kovskiy energeticheskiy institut (Moscow Power Engineering Institute).
Formulae are presented for calculating the various factors, such as the
movement of solid particles in a curvilinear gas stream, dependence of the

Card 1/2

Analyzing the heat-treatment conditions ... S/143/63/003/002/001/003
4004/A127

particle flight time τ on the particle size, etc. The investigation results are presented in the form of graphs. It is pointed out that this research work will be continued to show the significance of the various factors depending on the different ways of feeding the material into the cyclone furnace. There are 6 figures.

ASSOCIATION: Moskovskiy ordena Lenina energeticheskiy institut (Moscow "Order of Lenin" Power Engineering Institute)

SUBMITTED: November 22, 1961

Card 2/2

L 11387-63

EWT(m)/BDS/ES(w)-2 AFFTC/ASD/SSD Pab-4
S/120/63/000/002/029/041

64

AUTHOR: Vizir', V. A., Kuz'min, V. N., and Petrov, Yu. K.

19

TITLE: Measurement of the pulsed magnetic field in a synchrotron by the induction method

PERIODICAL: Pribory i tekhnika eksperimenta, March-April 1963, v. 8, no. 2,
137-139

TEXT: The article describes an instrument for conducting relative measurements of the instantaneous values of the field strength of the pulsed magnetic field in a synchrotron. Special design features reduce the transients in the measuring circuit from 5 m sec to 50 μ sec, which makes it possible to measure the dynamic component of the field in the 50-10,000 oersted range with an accuracy of \pm 0.005 percent. This is a considerable improvement over other contemporary instruments. There are three figures.

ASSOCIATION: Nauchno-issledovatel'skiy institut yadernoy fiziki, elektroniki i avtomatiki pri TPI (Scientific-Research Institute for Nuclear Physics, Electronics, and Automation at the Tomsk Polytechnic Institute)

SUBMITTED: May 8, 1961 (resubmitted April 25, 1962)
Card 1/1 ja/ll

KUZ'MIN, V. N.; YAKOVLEV, R. M.; YAKOVLEV, Yu. P.

2

"Investigations of $\text{He}^4(\text{p},\text{nn},\text{x}\gamma)\text{He}^3$ Reactions with 660 Mev Protons."

report submitted for All-Union Conf on Nuclear Spectroscopy, Tbilisi,
14-22 Feb 64.

Radium Inst.

ZHDANOV, A.P.; KUZ'MIN, V.N.; YAKOVLEV, R.M.

Knocking out alpha particles from Be nuclei by 660 Mev. protons.
IAd. fiz. 1 no.4:625-628 Ap '65. (MIRA 18:5)

"APPROVED FOR RELEASE: Monday, July 31, 2000 CIA-RDP86-00513R000928020

ATTACHMENT NO. AP5005947

6/0048/85/029/002/0236/0238

APPROVED FOR RELEASE: Monday, July 31, 2000 CIA-RDP86-00513R000928020C

"APPROVED FOR RELEASE: Monday, July 31, 2000 CIA-RDP86-00513R000928020

Card 4/4

to test another segment of these facts as to which side the main command came

APPROVED FOR RELEASE: Monday, July 31, 2000 CIA-RDP86-00513R0009280200

"APPROVED FOR RELEASE: Monday, July 31, 2000 CIA-RDP86-00513R000928020

Card 2/2

APPROVED FOR RELEASE: Monday, July 31, 2000 CIA-RDP86-00513R000928020

Bondarenko in work on the participation of excited states of the residual Cl^{32} nucleus in the case of oxygen. The oxygen cross sections are compared with theoretical results of V.V.Balashov, A.N.Boyarkina and I.Rotter (Preprint, OIYaI P-1357, Dubna, 1963) and good agreement was found. "In conclusion, the authors express their deep gratitude to V.P.Bogolyubov for valuable discussions and help in this work."

KUZ'MIN, V.N.; YAKOVLEV, R.M.

Study of the reactions $p + Li^7 \rightarrow \pi^+ + A^8$ and $p + Li^7 \rightarrow \pi^- + A^8$
involving 660 Mev. protons. IAd. fiz. 2 no.4:687-690
0 '65,
(MIRA 18:11)

KUZ'MIN, V.N.; YAKOVLEV, R.M.

Knocking out alpha particles from carbon nuclei. Izv. AN SSSR. Ser. fiz.
29 no.7:1237-1241 J1 '65.

Elastic scattering of 660 Mev. protons by He_2^3 and He_2^4 nuclei. Ibid.:1242-1247
(MIRA 18:7)

KUZ'MIN, V.N., inzh.; POLYAKOV, V.Ya., inzh.; YAKHNIS, V.A., inzh.

Results of the tests of compact radial labyrinth glands.
Energomashinostroenie 10 no.12:37-39 D '64. (MIRA 18;2)

VASIL'TSOVA, M.T., inzhener; KRAVCHUK, N.K., inzhener; KUZ'MIN, V.P.,
tekhnik.

Increasing the temperature of steam ahead of the turbine.
Energetik 2 no.6:14-15 Je '54. (MLRA 7:7)
(Steam turbines)

"APPROVED FOR RELEASE: Monday, July 31, 2000 CIA-RDP86-00513R000928020

APPROVED FOR RELEASE: Monday, July 31, 2000 CIA-RDP86-00513R000928020C

AL'PEROVICH, V.Ya., inzh.; KUZ'MIN, V.P., inzh.

Testing the ShGI-IV gas analyzers. Bezop.truda v prom. 4
no.9:27 S '60. (MIRA 13:9)
(Budiometer)

KUZ'MIN, V.P., inzh.; GORDEYEV, A.T., inzh.

Pocket audiometer for the blaster foreman. Bezop.truda v prom.
6 no.12:23 D '62. (MIRA 15:12)

1. Vostochnyy nauchno-issledovatel'skiy institut po bezopasnosti
rabot v gornoy promyshlennosti.
(Audiometer)

GOLOVANOV, Yu.N.; KRAZOVSKIY, A.I.; ZOTOV, V.L.; MUZ'MIN, V.P.

Tungsten precipitation from the vapor-gas phase.
Zhur.neorg.khim. 10 no.8;1948-1950 Ag '65.

1. Submitted December 19, 1964.

(MIRA 19:1)

KUZ'MIN, V.P.

The FEP-V photoelectric dust counter. Nauch. soob. VostNII no.1:
45-49 '61.
(MIRA 18:5)

KUZ'MIN, V.P.; VORONOV, N.I., red.; ONOSHKO, N.G., tekhn. red.

[New features in the economic education of personnel] Novoe v ekonomicheskem obrazovanii kadrov; iz opyta partiinykh organizatsii Leningrada. Leningrad, Lenizdat, 1961. 194 p. (MIRA 14:11)
(Communist Party of the Soviet Union—Party work)
(Economics—Study and teaching)

MAMON, L.I., kand. tekhn. nauk; KUZ'MIN V.P.

Dynamics of the operation of external contact seals. Khim.
prom. [Ukr.] no.2:62-66 Ap-Je '63. (MIRA 16:8)

1. Dnepropetrovskiy khimiko-tehnologicheskiy institut.

MAMON, L.I.; LOKSHIN, M.A.; KUZ'MIN, V.P.; NEDOBACHYI, G.G.

Investigating the dynamics of external contact packing glands.
Izv. vys. ucheb. zav.; neft' i gaz 7 no.9:107-112 '64.

(MIRA 17:12)

1. Dnepropetrovskiy khimiko-tehnologicheskiy institut im.
F.E. Dzerzhinskogo.

MAMON, L.I.; LOKSHIN, M.A.; KUZ'MIN, V.P.; SUKHOMLIN, G.D.

Investigating fluid leakage in external contact stuffing boxes.
Izv. vys. ucheb. zav.; neft' i gaz 8 no.3:91-94 '65.

(MIRA 18:5)

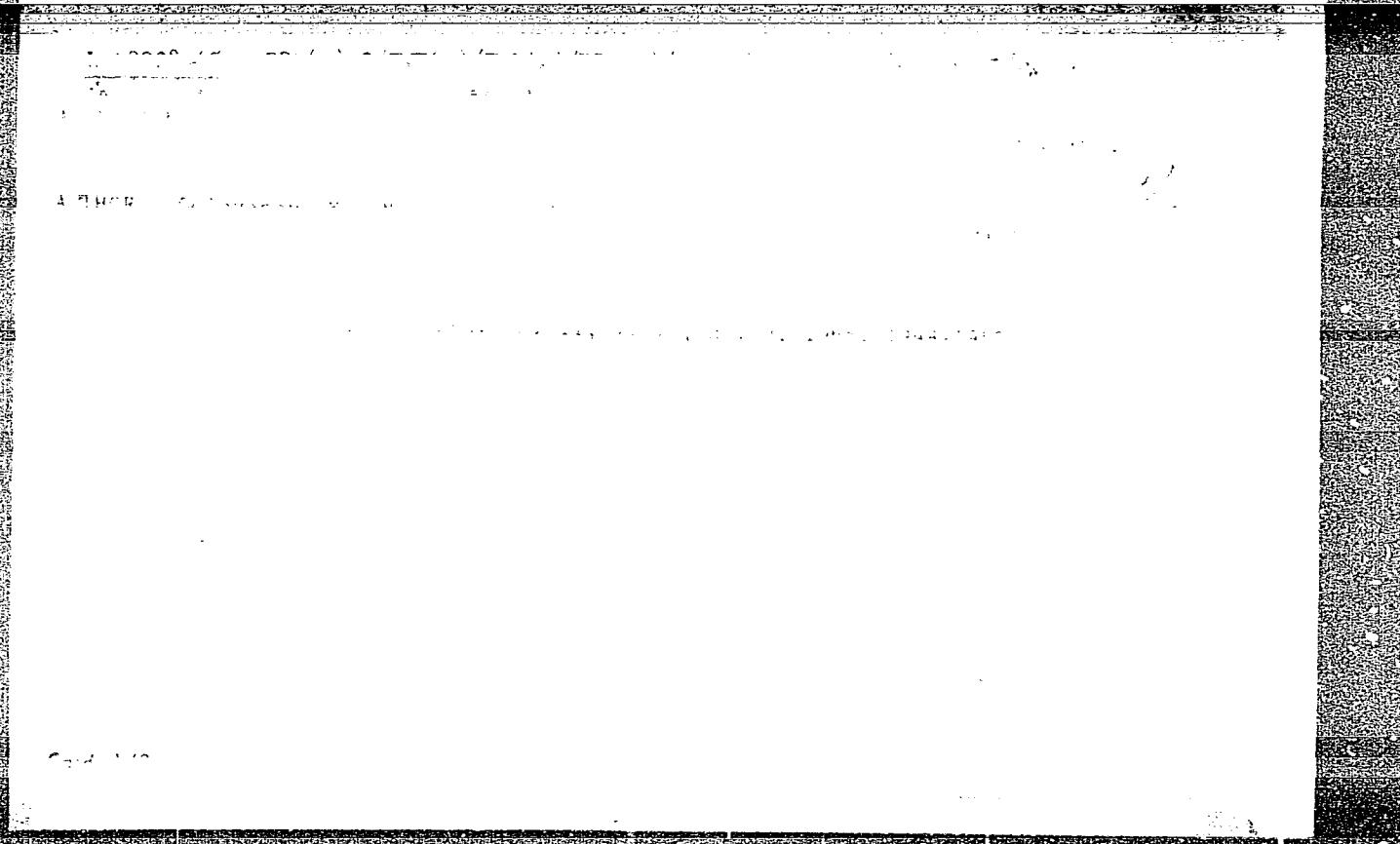
1. Dnepropetrovskiy khimiko-tehnologicheskiy institut im. F.E.
Dzerzhinskogo.

MAMON, L.I.; KUZ'MIN, V.P.; BEOBACHIIY, G.G.; MATUKHNO, A.V.;

Contact stuffing boxes for rolling mills. Metallurg
10 no.1:29-30 Ja '65. (MIRA 18:4)

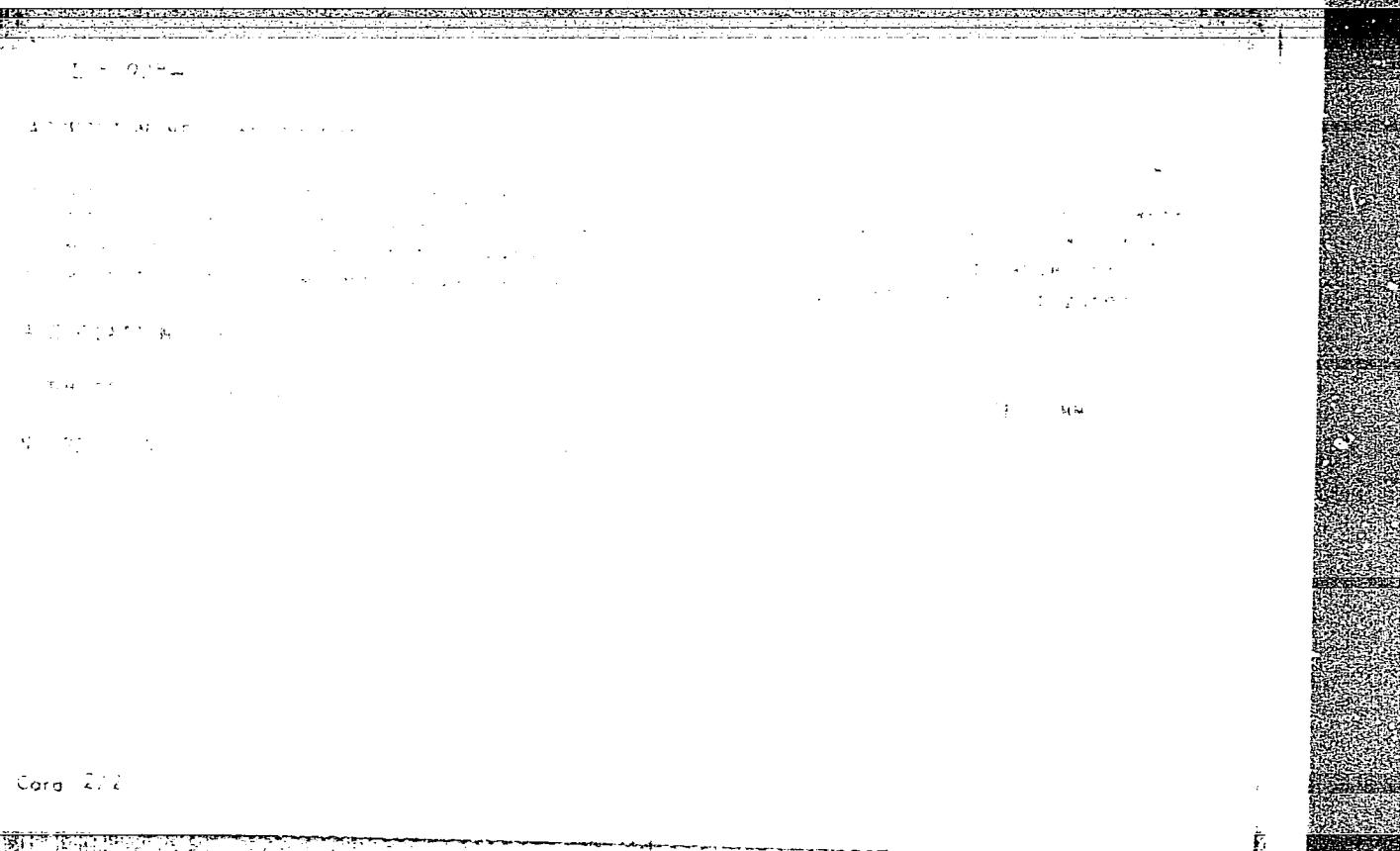
1. Dnepropetrovskiy khimiko-tehnologicheskiy institut
im. Dzerzhinskogo.

"APPROVED FOR RELEASE: Monday, July 31, 2000 CIA-RDP86-00513R000928020



APPROVED FOR RELEASE: Monday, July 31, 2000 CIA-RDP86-00513R000928020C

"APPROVED FOR RELEASE: Monday, July 31, 2000 CIA-RDP86-00513R000928020



APPROVED FOR RELEASE: Monday, July 31, 2000 CIA-RDP86-00513R000928020C

KUZ'MIN, V. P.

Kuz'min, V. P. "An experiment in sowing variety mixtures of
spring wheat," *Selektsiya i semenovodstvo*, 1949, No. 3, p.
22-27

SO: U-3566, 15 March 53, (*Letopis' Zhurnal'nykh Statей*, No. 14, 1949).

KUZMIN, V. F.

36306

Selektsionnaya obrabotka yarovoy osenitesy. Seleksiya i semenovodstvo,
1949, No. 11, s. 29-36

SO: Letopis' Zhurnal'nykh Statey, No. 49, 1949

KUZ'MIN, V.P.

[Experience in the selection of field crops for northern provinces of Kazakhstan] Opyt selektsii polevykh kul'tur dlia severnykh oblastei Kazakhskoe gos. izd-vo, 1954. 45 p. (MLRA 10:2)
(Kazakhstan--Field corps)

KUZ'MIN, V.P., inzh.

New fertilizer spreader. Mekh. i elek. sots. sel'khoz. 16 no.3:51
'58. (MIRA 11:6)

1.Kubanskiy nauchno-issledovatel'skiy institut ispytaniy traktorov
i sel'skokhozyaystvennykh mashin.
(Fertilizer spreaders)

KUZ'MIN, V.P.

Speed up the ripening and increase the yields of wheat in North Kazakhstan. Zemledelie 23 no.1:3-7 Ja '61. (MIRA 13:12)

1. Deystvitel'nyy chlen Kazakhskoy akademii sel'skokhozyaystvennykh nauk.
(North Kazakhstan Province--Wheat)

KUZ'MIN, V.P., akademik

Capacities for increasing the grain harvest in the Virgin Territory by breeding methods. Vest. AN Kazakh. SSR 18 no.7:3-11 Jl '62. (MIRA 15:7)

1. Akademiya nauk Kazakhskoy SSR.
(Virgin Territory--Grain--Varieties)

KUZMIN, V. P.

"Breeding Brought-resistant and High-yielding Spring Wheat."

report submitted for the 11th Intl. Congress of Genetics, The Hague, Netherlands,
2-10 Sep 63

KUZ'MIN, V.P.; MARTYUK, R.T.

Increase in the plasticity of wheat by the population
sowing method. Izv. AN Kazakh. SSR Ser. biol. nauk 2 No.2:
15-24 Mr-Ap '64 (MIRA 18:2)

KUZ'MIN, V. S.

Subject : USSR/Engineering AID - P-187
Card : 1/1
Author : Kuz'min, V. S.
Title : Oil Well Drilling Installation "URB-3A"
Periodical : Neft. khoz., v. 32, #2, 16-19, F 1954
Abstract : The oil well drilling installation of the type URB-3A
is described with 2 drawings and technical specification.
Institution : None
Submitted : No date

BODUNGEN, I.N., inzh.; VINOGRADOV, K.V., inzh.; VELLERSHTEIN, A.L., inzh.;
GOL'DGOR, B.G., inzh.; KUZ'MIN, V.S., inzh.; KULIKOV, P.S., inzh.;
LEBEDEV, N.N., inzh.; LEVI, S.S., kand.tekhn.nauk; ROZANOV, M.S.,
inzh.; SIDOROV, V.N., inzh.; SOKOLOV, D.V., inzh.; SLONIM, N.M.,
inzh., laureat Stalinskoy premii; EPSHTEIN, A.L., inzh.; ANTRUSHIN,
B.D., inzh., nauchnyy red.; SIMAKOV, S.N., inzh., nauchnyy red.;
TRUBIN, V.A., glavnnyy red.; SOSHIN, A.V., zam.glavnogo red.; GRINE-
VICH, G.P., red.; YEFIFANOV, S.P., red.; ONUFRIYEV, I.A., red.;
ZIMIN, P.A., red.; VDOVENKO, Z.I., red.izd-va; SHIROKOVA, G.M.,
red.izd-va; KH'KINA, E.M., tekhn.red.

[Power engineering handbook for construction work] Spravochnik
energetika na stroitel'stve. Izd.2., perer. i dop. Pod red. N.N.
Lebedeva. Moskva, Gos.izd-vo lit-ry po stroit., arkhit. i stroit.
materialam, 1960. 736 p.

(MIRA 13:11)

(Power engineering)

SIMAKOV, V.A. (Moskva); KUZ'MIN, V.S. (Moskva)

Experience in the use of electron computers in analyzing methods
of mining Krivoy Rog iron ore deposits. Izv. AN SSSR. Otd. tekhn.
nauk. Met. i gor. delo no.2:153-160 Mr.-A-p '63. (MIRA 16:10)

CHUPAKHIN, Vasiliy Mikhaylovich; DORMENKO, Vladimir Vladimirovich;
DRYAMOV, S.I., dots., retsenzent; MOLDAVSKIY, G.Ye.,
dots., retsenzent; TERENT'YEV, A.V., kand. tekhn. nauk,
spets. red.; KUZ'MINA, V.S., red.

[Technological equipment of fish processing plant] Tekhno-
logicheskoe oborudovanie ryboobrabatyvaiushchikh predpri-
iatii. Izd.2., perer. i dop. Moskva, Pishchevaya pro-
myshlennost', 1964. 566 p. (MIRA 18:2)

BARKAN, M.S., kand.tekhn.nauk; KOSTRYUKOVA, L.I., kand.tekhn.nauk; KUZ'MIN, V.V.,
kand.tekhn.nauk

Improving the preparation and milling of fibrous materials. Leg.prom.
18 no.7:40-43 J1 '58. (MIRA 11:9)
(Leather industry--By-products)

KUZ'MIN, V. V.

"Cortical Control of Respiration During the Execution of Exercises on Gymnastic Apparatus." Cand Biol Sci, State Order of Lenin and Order of Labor Red Banner Inst of Physical Culture, Leningrad, 1954. (KL, No 12, Mar 55)

SO: Sum. No. 670, 29 Sep 55--Survey of Scientific and Technical Dissertations Defended at USSR Higher Educational Institutions (15)

KUZ'MIN, V.V.

Successful operation in perforation of the uterus. Akush. i gin.
34 no.1:106-107 Ja-F '58. (MIRA 11:4)

1. Iz bol'nitsy poselka Bekdash Ashkhabadskoy oblasti (glavnnyy
vrach V.V.Kuz'min)
(UTERUS--SURGERY)

KUZ'MIN, V.V.; GERASIMOV, A.V.; DNEPROVA, N.N., red. izd-va;
CHERKASSKAYA, F.T., tekhn. red.

[Automatic devices in woodworking combines] Avtomaticheskie
ustroistva na derevoobdelochnykh kombinatakh. Leningrad,
Gosstroizdat, 1963. 59 p. (MIRA 16:12)
(Automatic control) (Lumber--Drying)

KUZ'MIN, V.V.

KUZ'MIN, V.V.

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rezhushchego instrumenta iz bystrorezhushchei stali. Moskva, Vses. koopera-
tivnoe izd-vo, 1952. 78 p.
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Efficiency of the standardization of industrial and technological development. Standartizatsiia no.1:27-37 Ja-F '54. (MLRA 7:2)
(Machinery--Standards)

BARANOV, A.I., kandidat tekhnicheskikh nauk; KUZ'MIN, V.V., inzhener;
GOKUN, V.B., kandidat tekhnicheskikh nauk, retsenzent; MOVIKOV,
K.D., inzhener, retsenzent; TKACHENKO, V.V., kandidat tekhnicheskikh
nauk, redaktor; TIKHIN, A.V., redaktor; UVABOVA, A.F., tekhnicheskiy
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[Setting standards and norms in machine building] Standartizatsiya i
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(Machinery industry) (MLRA 8:11)

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Reorganization of industrial management and the objectives of
technical information and its dissemination. Av.prom. 26
no.8:110-111 Ag '57. (MIRA 15:4)
(Industrial management) (Technology--Information services)

MURASHOV, Aleksey Mikhaylovich; KLIMOV, Nikolay Aleksandrovich; BOLOTIN,
Kh.L., kand.tekhn.nauk, retsenzent; KUZ'MIN, V.V., inzh., red.;
SHEKHTMAN, E.A., izd.red.; PUKHLIKOVA, N.A., tekhn.red.

[High capacity equipment for metal-cutting machines] Vysoko-
proizvoditel'nye prisposobleniya k metallorezhushchim stankam.
Moskva, Gos.izd-vo obor.promyshl., 1959. 150 p. (MIRA 12:4)
(Machine tools--Attachments)

PHASE I BOOK EXPLOITATION

SOV/3706

Shatin, V.P., Engineer, V. V. Kuz'min, Engineer, and P.S. Denisov, Engineer
Konstruktivnyye elementy i normalizovannyye uzly krepleniya rezhushchikh
instrumentov; spravochnik (Parts and Standard Subassemblies for Mounting
Cutting Tools; Handbook) Moscow, Mashgiz, 1959. 263 p. Errata slip inserted.
15,000 copies printed.

Reviewer: Yu. L. Frumin, Engineer; Ed.: V.I. Rybakova, Engineer; Tech. Ed.:
B.I. Model'; Managing Ed. for Information Literature: I. M. Monastyrskiy,
Engineer.

PURPOSE: This book is intended for tool designers and process engineers in
machine-building plants.

COVERAGE: The book deals with the standard tool holding devices for metal
cutting used in Soviet industry. Brief descriptions are given of chucks,
collets, and other holding devices for shank-type tools. Means of mount-
ing milling cutters, boring bars, and broaches to drive elements are ex-
plained and illustrated. Carbide tipping of cutting tools is also de-
scribed. No personalities are mentioned. There are 5 references:
4 Soviet, and 1 English.

TABLE OF CONTENTS:

Ch. I. Elements and Subassemblies of Cutting Tools for Drilling and Boring 3
Machines

Card 1/7

VLAZHEV, Yevgeniy Ivanovich; PODGORNOV, Sergey Vasil'yevich; CHERNYSHEV,
Valeriy Mikhaylovich; SHALASHOV, Petr Gavrilovich; BOLOTIN, Kh.L.,
kand.tekhn.nauk, retsenzenter; KUZ'MIN, V.V., inzh., red.; SUVOROVA,
I.A., izdat.red.; PUKHLIKOV, N.A., tekhn.red.

[Standardized machine-tool attachments; manual for designers]
Normalizovанные станочные приспособления; справочник конструктора.
Moskva, Gos.izd-vo obor.promyshl., 1959. 439 p. (MIRA 12:5)
(Machine tools--Attachments)

SOV/28-59-1/30

AUTHOR: Kuz'min, V. V., Engineer

TITLE: An Important Potential for Reducing the Time Element and the Costs of the Preparation for Production

PERIODICAL: Standartizatsiya, 1959, Nr 5, pp 3-6 (USSR)

ABSTRACT: The author points out that the production cost of new industrial equipment is determined by the extent of time and labor necessary for the production of special machine-tools, such as dies and jigs, metal molds, control instruments, etc. The usual depreciation period for heavy assembly equipment is: 6 to 10 years, machine-tool equipment: 3 to 5 years, dies: 2 to 4 years. Special tools are used only for the production of the specific equipment for which it was designed. Therefore, the production cost of new industrial equipment is very high. This cost, however, could be reduced by a standardization of production equipment,^[4] which is divided by the author into 3 groups: 1) USP, universalno-sbornyye prispособleniya (Universal Assembled Fittings) used for the finishing, assembling and testing of units or parts. These are

Card 1/2

SOV/28-59-5-1/30

An Important Potential for Reducing the Time Element and the Costs of the Preparation for Production

subdivided into UNP, universino-naladochnyye prisposobleniya (Universal Adjusting Fittings), which have adjustable fittings for "detailed finishing; and into "besnaladochnaya konstruktsiya" (Non-Adjustable Fittings) for individual and small lot production. 2) Special Fittings with limited use, and 3) Special Technological Fittings made for special finish or assembly of one type of article only. The fittings belonging to the last group are not adjustable and not dismountable. When the work for which they are made is finished, they are usually scrapped. It was the prevailing type of fitting in the past. The author gives concrete examples of each of the types, and comes to the conclusion that the 3rd group is not economical. He recommends SRP, storno-razbornyye prisposobleniya (Dismountable Fittings) as the most economical for serial production.

ASSOCIATION: NIAT

Card 2/2

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tekhnologicheskaja knjizka. Pod red. V.V.Kuz'mina. Moskva,
Gos.nauchno-tekh. izd-vo mashinostroit.lit-ry, 1960. 174 p.
(MIRA 13:4)

1. Moskovskiy dom nauchno-tehnicheskoy propagandy imeni F.Ye.
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(Industrial equipment)

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F.V., red.; NEMYSLOVA, L.M., tekhn. red.

[Attachments for lathes] Prisposobleniya dlja tokarnykh stankov.
Moskva, Vses. uchebno-pedagog. izd-vo Proftekhizdat, 1961. 101 p.
(MIRA 14:8)
(Lathes—Attachments)

KUZ'MIN, V.V.

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by V.V. Kuz'min. Stan. i instr. 33 no.2:45 F '62. (MIRA 15:1)
(Machine tools--Attachments)
(Abakumov, M.M.)

KUZ'MIN, V.V., inzh.

"Fundamentals of technical preparation of production processes
in the machinery industry" by V.B. Gokun. Reviewed by V.V.
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EL'KIND, V.D., tekhn. red.

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BERKOVICH, D.M., kand. tekhn. nauk, red.

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KUZ'MIN, V.V., inzh., retsenzent

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komiteta standartov, mer i izmeritel'nykh priborov SSSR.

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Advanced method for designing new machines. Standartizatsiia
29 no.6:5-7 Je '65. (MIRA 18:12)

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doktor tekhn. nauk, prof.

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komiteta standartov, mer i izmeritel'nykh priборov SSSR (for
Kuz'min).

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and practical problems in veterinary microbiology]. Moskva,
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(Tuberculosis in animals)